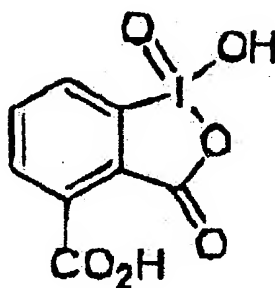


USER- AND ECO-FRIENDLY HYPERVALENT IODINE REAGENT AND METHOD
OF SYNTHESIS

Abstract of Disclosure

[0016] The present invention is a user- and eco-friendly hypervalent iodine reagent (mIBX) capable of selectively oxidizing allylic and benzylic alcohols in water and other eco-friendly solvents and having generally the following structure:



Allylic and benzylic alcohols are cleanly oxidized to the corresponding carbonyl compounds in water or water-THF mixtures, or other mixtures, using a water-soluble *o*-iodoxybenzoic acid derivative of the present invention.